

Converting Colors

YIQ(37.3500, -21.7770, -7.3210)

Have a look what the booklet for
YIQ(37.3500, -21.7770, -7.3210)
contains.

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Color

**YIQ(37.3500, -21.7770,
-7.3210)**

Conversions

Conversions Part 1

Format	Color
Hex	0C3031
RGB	12, 48, 49
RGB Percent	5%, 19%, 19%
CMY	0.9530, 0.8117, 0.8079
CMYK	0.76, 0.02, 0.00, 0.81
HSL	182°, 61%, 12%
HSV	182°, 76%, 19%
XYZ	1.7628, 2.4147, 3.2764
YIQ	37.3500, -21.7770, -7.3210

Conversions

Conversions Part 2

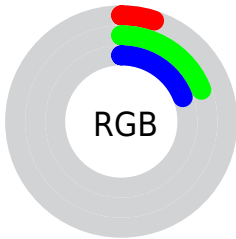
Format	Color
R_{YB}	12, 30, 49
Decimal	798769
CIE Lab	17.53, -12.17, -4.40
CIE LCh	18, 12.940, 199.879
Yxy	2.4147, 0.2365, 0.3240
Android (android.graphics.Color)	4278988849 (0xFF0C3031)
YUV	37.3500, 5.7434, -22.2320
Hunter-Lab	15.5393, -6.9447, -1.6237

Details

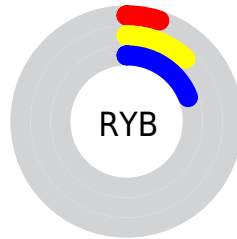
The YIQ color **37.3500, -21.7770, -7.3210** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **23.6500, 21.7770, 7.3210**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **83.9480, -20.5850, -6.8970**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **35.8550, -24.7570, -8.3810**, and if you desaturate by 10%, it is **38.8450, -18.7970, -6.2610**.

Distribution



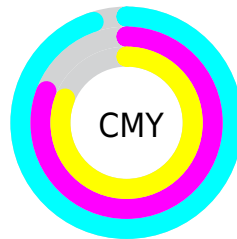
- Red (5%)
- Green (19%)
- Blue (19%)



- Red (5%)
- Yellow (12%)
- Blue (19%)



- Cyan (76%)
- Magenta (2%)
- Yellow (0%)
- Black (81%)



- Cyan (95%)
- Magenta (81%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.3500, -21.7770, -7.3210 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 37.3500, -21.7770, -7.3210 by changing the saturation by 10% instead.

■ 37.3500, -21.7770,
-7.3210

■ 37.3500, -21.7770,
-7.3210

■ 252.0100, -5.9600,
-2.1200

■ 19.6280, -16.6880,
-5.9360

■ 83.9480, -20.5850,
-6.8970

■ 0.0000, 0.0000,
0.0000

■ 108.6490,
-21.1810, -7.1090

■ 134.2360,
-21.4560, -7.6320


■ 160.3500,
-21.7770, -7.3210


■ 187.6380,
-22.6480, -8.0560


■ 215.6380,


-22.6480, -8.0560


 243.6380,
-22.6480, -8.0560


 37.3500, -21.7770,
-7.3210


 37.3500, -21.7770,
-7.3210


 35.8550, -24.7570,
-8.3810


 38.8450, -18.7970,
-6.2610


 34.3600, -27.7370,
-9.4410

 40.3400, -15.8170,
-5.2010

 33.7620, -28.9290,
-9.8650

 41.8350, -12.8370,
-4.1410

 43.9170, -10.1320,
-3.6040

 45.1130, -7.7480,
-2.7560

■ 46.6080, -4.7680,
-1.6960

■ 48.1030, -1.7880,
-0.6360

■ 49.5980, 1.1920,
0.4240

■ 51.0930, 4.1720,
1.4840

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.9010, -13.2030, -8.5230



37.3500, -21.7770, -7.3210



37.9740, -23.4740, -4.0980

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.3500, -21.7770, -7.3210



44.1240, 2.8870, 8.2550



42.4650, 11.6920, -2.6440

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.3500, -21.7770, -7.3210



23.6500, 21.7770, 7.3210

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.2530, 15.4050, 1.6530



37.3500, -21.7770, -7.3210



44.1310, 10.1770, 8.2970

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.3500, -21.7770, -7.3210



43.4540, -6.9700, 5.1740



43.5890, 14.5790, 5.6110



41.5350, 5.5030, -6.1210

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.3500, -21.7770, -7.3210



40.1210, -19.3940, -0.9460



43.5890, 14.5790, 5.6110



42.8890, 13.4340, -1.1740

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.3500, -21.7770, -7.3210



58.9280, -8.6650, -2.6570



33.8330, -10.4960, -19.0400



30.3090, -5.3640, -1.9080



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.3500, -21.7770, -7.3210



45.4840, -34.0180, -11.2500



26.7840, -16.8270, 2.0930



24.5160, -1.5130, -0.1130



61.2150, -52.4940, -17.8220



148.5950, -127.6820, -42.8660

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.1670, 10.4960, 19.0400



29.7260, 16.5920, 29.7120



34.2160, 16.8270, -2.0930



24.1250, 1.1460, 1.2580



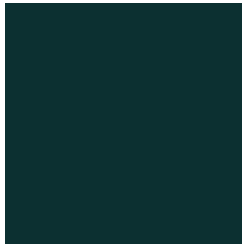
36.5290, 25.1170, 45.9250



88.9370, 61.6010, 111.6250

Previews

White Background



This preview shows how the YIQ color 37.3500, -21.7770, -7.3210 looks on a white background.

Color Contrast Check

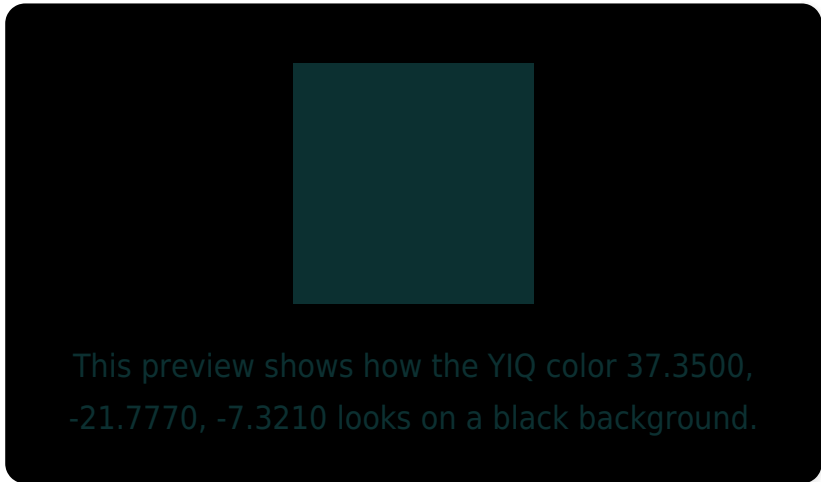
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

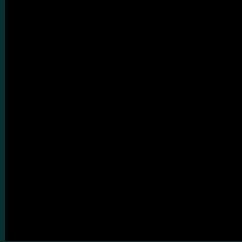
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

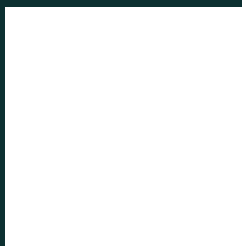
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 37.3500, -21.7770, -7.3210

Background



This preview shows how black text looks on a background with the YIQ color 37.3500, -21.7770, -7.3210.



This preview shows how white text looks on a background with the YIQ color 37.3500, -21.7770,

-7.3210.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.3500, -21.7770, -7.3210

Protanopia

43.3420, -0.9630, 0.9330

Deuteranopia

43.5100, -1.3760, 2.9120



Tritanopia

38.1760, -21.2270, -6.2750

Trichromacy



Original Color

37.3500, -21.7770, -7.3210

Protanomaly

41.3410, -8.3900, -2.1340

Deuteranomaly

41.0960, -9.0780, -0.6780

Tritanomaly

37.7630, -21.5020, -6.7980

Monochromacy



Original Color

37.3500, -21.7770, -7.3210

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

37.1130, -7.7480, -2.7560

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.3500, -21.7770, -7.3210 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(12, 48, 49)` looks like.

```
.text, #text, p{  
    color:rgb(12, 48, 49)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(12, 48, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 48, 49) }
```

Border

The CSS property to change the border of an element to YIQ 37.3500, -21.7770, -7.3210 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(12, 48, 49) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(12, 48, 49) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(12, 48, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 48, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 48, 49);  
box-shadow:4px 4px 4px 4px rgb(12, 48, 49)  
}
```

Background

The CSS property to change the background color of an element to YIQ 37.3500, -21.7770, -7.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 48, 49) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(12, 48,  
49) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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